

EXAMPLE PROCESS HAZARD ANALYSIS OF A DEPARTMENT OF ENERGY WATER CHLORINATION PROCESS



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LIST OF ACRONYMS

AIChE	American Institute of Chemical Engineers
BLEVE	boiling liquid expanding vapor explosion
CFR	Code of Federal Regulations
DOE	U.S. Department of Energy
HHC	highly hazardous chemical
HAZMAT	hazardous materials
HAZOP	hazard and operability
IDLH	immediately dangerous to life or health
MSDS	Material Safety Data Sheet
ORPS	Occurrence Reporting and Processing System
OSHA	Occupational Safety and Health Administration
PrHA	process hazard analysis
PNL	Pacific Northwest Laboratory
ppm	part per million
PSM	process safety management
SCBA	self-contained breathing apparatus
TQ	threshold quantity
WAC	Washington State Administrative Code
WHC	Westinghouse Hanford Company